



1FW/
/20

Electronic Filing System (EFS) Data Electronic Patent Application Submission USPTO Use Only

EFS ID: 61862
Application ID: 10091978
Title of Invention: Data storage apparatus
First Named Inventor: Aedan Coffey
Domestic/Foreign Application: Domestic Application
Filing Date: 2002-03-05
Effective Receipt Date: 2004-06-02
Submission Type: Information Disclosure
Statement
Filing Type:
Confirmation number: 6375
Attorney Docket Number: ERLG.P-033




Total Fees Authorized:

Digital Certificate Holder: cn=Carl Oppedahl,ou=Registered Attorneys,ou=Patent and Trademark
Office,ou=Department of Commerce,o=U.S. Government,c=US
Certificate Message Digest: 4840e9f5ef31c8968711f1194d83b11d32f614f5



TRANSMITTAL

Electronic Version v1.1
Stylesheet Version v1.1.0

Title of Invention	Data storage apparatus							
<p>Application Number: 10/091978 </p> <p>Date: 2002-03-05</p> <p>First Named Applicant: Aedan Diarmuid Coffey</p> <p>Confirmation Number: 6375</p> <p>Attorney Docket Number: ERLG.P-033</p>								
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p> <table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Carl Oppedahl Registered Number: 32746</td><td>/s/</td><td>Attorney</td></tr></tbody></table>			Submitted by:	Elec. Sign.	Sign. Capacity	Carl Oppedahl Registered Number: 32746	/s/	Attorney
Submitted by:	Elec. Sign.	Sign. Capacity						
Carl Oppedahl Registered Number: 32746	/s/	Attorney						
Documents being submitted	Files							
us-ids	erlgp033-usidst.xml							
	us-ids.dtd							
	us-ids.xsl							
<p>Comments</p> <p>No fees are believed due with this submission as we have not received an action on</p>								


the merits. However, the Commisioner is authorized to debit any fees which may be due or credit any overpayments to Deposit Account No. 15-0610.



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention																																																																																																											
<div>Application Number: 10/091978 </div> <div>Confirmation Number: 6375</div> <div>First Named Applicant: Aedan Coffey</div> <div>Attorney Docket Number: ERLG.P-033</div> <div>Art Unit: 2818</div> <div>Search string: (20020008427 or 20020044561 or 20020010883 or 20020044562 or 20020046276 or 20020054477 or 20020043877 or 20020004342 or 20020129182 or 20020129232 or 20030056048),pn.</div> <div><h3>US Published Applications</h3><p>Note: Applicant is not required to submit a paper copy of cited US Published Applications</p><table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Pub. No.</th><th>Date</th><th>Applicant</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td>1</td><td>20020008427</td><td>2002-01-24</td><td>Mullins et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>20020044561</td><td>2002-04-18</td><td>Coffey</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>20020010883</td><td>2002-01-24</td><td>Coffey et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>20020044562</td><td>2002-04-18</td><td>Killen, JR. et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>5</td><td>20020046276</td><td>2002-04-18</td><td>Coffey et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>6</td><td>20020054477</td><td>2002-05-09</td><td>Coffey et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>7</td><td>20020043877</td><td>2002-04-18</td><td>Mullins et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>8</td><td>20020004342</td><td>2002-01-10</td><td>Mullins et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>9</td><td>20020129182</td><td>2002-09-12</td><td>Coffey</td><td></td><td></td><td></td></tr><tr><td></td><td>10</td><td>20020129232</td><td>2002-09-12</td><td>Coffey</td><td></td><td></td><td></td></tr><tr><td></td><td>11</td><td>20030056048</td><td>2003-03-20</td><td>Mullins et al.</td><td></td><td></td><td></td></tr></tbody></table></div> <div><h3>Signature</h3><table border="1"><thead><tr><th>Examiner Name</th><th>Date</th></tr></thead><tbody><tr><td></td><td></td></tr></tbody></table></div>								init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass		1	20020008427	2002-01-24	Mullins et al.					2	20020044561	2002-04-18	Coffey					3	20020010883	2002-01-24	Coffey et al.					4	20020044562	2002-04-18	Killen, JR. et al.					5	20020046276	2002-04-18	Coffey et al.					6	20020054477	2002-05-09	Coffey et al.					7	20020043877	2002-04-18	Mullins et al.					8	20020004342	2002-01-10	Mullins et al.					9	20020129182	2002-09-12	Coffey					10	20020129232	2002-09-12	Coffey					11	20030056048	2003-03-20	Mullins et al.				Examiner Name	Date		
init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass																																																																																																				
	1	20020008427	2002-01-24	Mullins et al.																																																																																																							
	2	20020044561	2002-04-18	Coffey																																																																																																							
	3	20020010883	2002-01-24	Coffey et al.																																																																																																							
	4	20020044562	2002-04-18	Killen, JR. et al.																																																																																																							
	5	20020046276	2002-04-18	Coffey et al.																																																																																																							
	6	20020054477	2002-05-09	Coffey et al.																																																																																																							
	7	20020043877	2002-04-18	Mullins et al.																																																																																																							
	8	20020004342	2002-01-10	Mullins et al.																																																																																																							
	9	20020129182	2002-09-12	Coffey																																																																																																							
	10	20020129232	2002-09-12	Coffey																																																																																																							
	11	20030056048	2003-03-20	Mullins et al.																																																																																																							
Examiner Name	Date																																																																																																										